

NRC FORM 540 (01-2017)

NRC FORM 541 (01-2017)	U.S. NUCLEAR REGULATORY COMMISSION																																				
	UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION																																				
Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste																																					
Instructions: See NUREG/BR-0204 for detailed instructions for completing this form: http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204/																																					
									1. MANIFEST TOTALS			2. MANIFEST NUMBER																									
									NUMBER OF PACKAGES/ DISPOSAL CONTAINERS			NET WASTE VOLUME (m³)			NET WASTE WEIGHT (kg)			SPECIAL NUCLEAR MATERIAL (grams)																			
																		TOTAL																			
									1			6.88			10886.2			NP			NP			NP			NP										
									ACTIVITY (MBq)									SOURCE (kg)									3.										
									ALL NUCLIDES			TRITIUM			C-14			Tc-99			I-129												PAGE 1 OF 1 PAGE(S)				
									4.54E+02			NP			NP			NP			NP			2.48E-03									4. SHIPPER NAME				
																																				US EPA Region 6	
																																				SHIPPER I.D. NUMBER	
DISPOSAL CONTAINER DESCRIPTION											WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER																										
5. CONTAINER IDENTIFICATION NUMBER/GENERATOR ID NUMBER(S) 6. CONTAINER DESCRIPTION (See Note 1) 7. VOLUME (m³) 8. WASTE AND CONTAINER WEIGHT (kg) 9. SURFACE RADIATION LEVEL <input type="checkbox"/> (µSv/hr) <input checked="" type="checkbox"/> (mSv/hr) 10. SURFACE CONTAMINATION MBq/100cm² ALPHA BETA-GAMMA											PHYSICAL DESCRIPTION			CHEMICAL DESCRIPTION				RADIOLOGICAL DESCRIPTION							16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C												
											11. WASTE DESCRIP-TOR (See Note 2)			12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)		13. SORBENT SOLIDIFICATION, STABILIZATION, MEDIA (See Note 3)		CHEMICAL FORM/CHELATING AGENT		WEIGHT % CHELATING AGENT IF > 0.1%		INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL; OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT															
SRRU 002046 2 19 14288 0.0004 <3.33E-7 <3.33E-6											22			6.88		100		Metal Oxide		NP		Pb-210: 413 pCi/g; 4.50E+00 mCi; (1.66E+02 MBq) Ra-226: 311 pCi/g; 3.39E+00 mCi; (1.25E+2 MBq)							A U								
																						Pb-214: 221 pCi/g; 2.41E+00 mCi; (8.90E+1 MBq) Bi-214: 182 pCi/g; 1.98 E+00 mCi; (7.33E+1 MBq)															
																						U-235: 0.51 pCi/g; 5.45E-03 mCi; (2.02E-1MBq); 2.48E-03 Kg source															

1. Wooden Box or Crate	9. Demineralizer
2. Metal Box	10. Gas Cylinder
3. Plastic Drum or Pail	11. Bulk Unpackaged Waste
4. Metal Drum or Pail	12. Unpackaged Components
5. Metal Tank or Liner	13. High Integrity Container
6. Concrete Tank or Liner	19. Other. Describe in item 6, or additional page
7. Polyethylene Tank or Liner	
8. Fiberglass Tank or Liner	

20. Charcoal	29. Demolition Rubble	38. Evaporator Bottoms/Slud ges/Concentrates
21. Incinerator Ash	30. Cation Ion-exchange Media	39. Compactible Trash
22. Soil	31. Anion Ion-exchange Media	40. Noncompactible Trash
23. Gas	32. Mixed Bed Ion-exchange Media	41. Animal Carcass
24. Oil	33. Contaminated Equipment	42. Biological Material (except animal carcass)
25. Aqueous Liquid	34. Organic Liquid (except oil)	43. Activated Material
26. Filter Media	35. Glassware or Labware	59. Other. Describe in item 11, or additional page
27. Mechanical Filter	36. Sealed Source/Device	
28. EPA or State Hazardous	37. Paint or Plating	

Sorption				Solidification			
60. Speedi Dri	64. Safe T Sorb	69. Chemsil 30	74. Petroset	89. Other.	90. Cement	94. Vinyl Ester Styrene	
61. Celestom	65. Safe N Dri	70. Chemsil 50	75. Petroset II	Describe in item 13, or additional page	91. Concrete (encapsulation)	99. Other. Describe in item 13, or additional page	
62. Floor Dry/ Superfine	66. Florco	71. Chemsil 3030	76. Aquaset		92. Bitumen		
63. Hi Dri	67. Florco X	72. Dicapert HP200	77. Aquaset II		93. Vinyl Chloride	100. None Required	
	68. Solid A Sorb	73. Dicapert HP500					